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DIALOG(R)File 347:JAPIO

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LIGHT TRANSMISSION PLATE

PUB. NO.: 04-029291 [JP 4029291 A]

PUBLISHED: January 31, 1992 (19920131)

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APPL. NO.: 02-136086 [JP 90136086]

FILED: May 25, 1990 (19900525)

INTL CLASS: [5] G09F-009/00; G02B-001/04; G02B-006/00; G02B-006/00;
G02F-001/1335; G09F-009/00

JAPIO CLASS: 44.9 (COMMUNICATION -- Other); 29.2 (PRECISION INSTRUMENTS -- Optical Equipment)

JAPIO KEYWORD:R011 (LIQUID CRYSTALS); R012 (OPTICAL FIBERS)

JOURNAL: Section: P, Section No. 1350, Vol. 16, No. 197, Pg. 141, May 12, 1992 (19920512)

ABSTRACT

PURPOSE: To obtain a flexible light transmission plate having a uniform luminance by arranging many bubbles in the plate-shaped flexible light transmission plate main body so that these bubbles form a face which is inclined to a liquid crystal panel face and to the direction of light incidence from a light source.

CONSTITUTION: A plate-shaped flexible light transmission plate main body 3 is arranged on the rear face of a flexible liquid crystal panel 2, and bundles of optical fibers 4 are provided on both side faces of the flexible light transmission plate main body 3, and many bubbles 6 are arranged in the light transmission plate main body 3 so that they form a slope which is inclined to the liquid crystal panel 2 and to the direction of light incidence from optical fibers 4. Consequently, light made incident on the light transmission plate main body 3 from optical fibers 4 strikes many bubbles 6 different in refractive index in the light transmission plate main body 3 and is irregularly reflected. Thus, a flexible liquid crystal display device is obtained, and the luminance of incident light is uniformized to uniformly irradiate the whole of the liquid crystal panel 2.